



## ATTACHMENT A

### Amendment to the Claims

*This listing of claims will replace all prior versions, and listings, of claims in the application:*

1. (Currently amended) ~~A~~An isolated or purified monoclonal antibody that binds to the Map10 protein from *Staphylococcus aureus* having the sequence set forth in SEQ ID NO: 2.
- 2-3. (Canceled).
4. (Currently amended) ~~A~~The antibody according to Claim 1, wherein said antibody is suitable for parenteral, oral, intranasal, subcutaneous, aerosolized or intravenous administration in a human or animal.
5. (Canceled).
6. (Currently amended) ~~A~~The antibody according to Claim 1 wherein the monoclonal antibody is of a type selected from the group consisting of chimeric, humanized and human monoclonal antibodies.
7. (Currently amended) ~~A~~The antibody according to Claim 1 wherein the antibody is a single chain monoclonal antibody.

8. (Currently amended) An isolated or purified antibody ~~according to Claim 1~~ which ~~comprises an antibody fragment~~ which recognizes the same epitopes recognized by an antibody which binds to the *S. aureus* ~~MAP~~MAP10 protein having the sequence as set forth in SEQ ID NO: 2.

9. (Currently amended) ~~An~~The antibody according to Claim 1 having a variable light sequence according to SEQ ID NO:4.

10. (Currently amended) ~~An~~The antibody according to Claim 1 having a variable light sequence encoded by a nucleic acid sequence according to SEQ ID NO:3 or degenerates thereof.

11. (Currently amended) ~~An~~The antibody according to Claim 1 having a variable heavy sequence according to SEQ ID NO:6.

12. (Currently amended) ~~An~~The antibody according to Claim 1 having a variable light sequence encoded by a nucleic acid sequence according to SEQ ID NO:5 or degenerates thereof.

13. (Canceled).

14. (Original) Isolated antisera containing an antibody according to Claim 1.

15. (Withdrawn) A diagnostic kit comprising an antibody according to Claim 1 and means for detecting binding by that antibody.
16. (Withdrawn) A diagnostic kit according to Claim 15 wherein said means for detecting binding comprises a detectable label that is linked to said antibody.
17. (Withdrawn) A method of diagnosing an infection of *S. aureus* comprising adding an antibody according to Claim 1 to a sample suspected of being infected with *S. aureus*, and determining if antibodies have bound to the sample.
18. (Currently amended) A pharmaceutical composition ~~for treating or preventing an infection of *S. aureus* comprising an effective amount of the antibody of Claim 1 and a pharmaceutically acceptable vehicle, carrier or excipient.~~
19. (Withdrawn) A method of treating or preventing an infection of *S. aureus* comprising administering to a human or animal patient an effective amount of an antibody according to Claim 1.
20. (Withdrawn) A method of inducing an immunological response comprising administering to a human or animal an isolated *S. aureus* Map10 protein.

21. (Withdrawn) A method of identifying antibodies to the Map10 protein comprising adding an isolated Map10 protein to a sample suspected of containing anti-MAP antibodies, and determining if antibodies have bound to the added Map10 protein.

22-23. (Canceled).

24. (Currently amended) ~~An~~The isolated antibody according to Claim 1 that has the ability to bind to an amino acid sequence coded by the nucleic acid sequence of SEQ ID NO:1 or degenerates thereof.

25. (Original) An isolated antibody having a variable light sequence according to SEQ ID NO:4.

26. (Original) An isolated antibody having a variable heavy sequence according to SEQ ID NO:6.

27. (Withdrawn) An isolated *S. aureus* Map10 protein.

28. (Withdrawn) An isolated protein according to Claim 27 having an amino acid sequence according to SEQ ID NO:2.

29. (Withdrawn) An isolated protein according to Claim 27 having an amino acid sequence encoded by a nucleic acid sequence according to SEQ ID NO:1 or degenerates thereof.

30. (Currently amended) ~~A~~The monoclonal antibody according to Claim 1 which binds to an epitope that is recognized by monoclonal antibody H07.

31. (Previously presented) An isolated antibody having a variable light sequence encoded by a nucleic acid sequence according to SEQ ID NO:3 or degenerates thereof.

32. (Currently amended) An isolated antibody having a variable ~~light~~heavy sequence encoded by a nucleic acid sequence according to SEQ ID NO:5 or degenerates thereof.